

Application No.: 09/856,294Docket No.: 4560-001**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (currently amended) An automatic ~~Automatic~~ fire extinguishing system using liquefied CO<sub>2</sub> to regulate the distribution of fire ~~offire~~ extinguishing agents, said system consisting consists of the following equipment:

[[ - the]] an ordinary water tank for fire extinguishing; [[.]]

[[ - the]] containers providing sufficient liquefied CO<sub>2</sub> for the whole process of fire extinguishing, creating new fire extinguishing agents and automating the process; [[.]]

[[ - the]] a scale or device for ~~automatic~~ automatically checking the weight of CO<sub>2</sub> permanently, wherein when [[. When]] CO<sub>2</sub> is lower than the needed amount, it will start [[the]] an alarm signal; [[.]]

[[ - the]] an automatic pressure adjusting device;

[[ - the]] a reversing device closing the valve to supply CO<sub>2</sub> to the high pressurized ~~pressurised~~ water tank and to discharge CO<sub>2</sub> for the tank running out of CO<sub>2</sub>,

[[ - the]] a reversing device open/closing the valve to supply the fire extinguishing agent from the high pressure tank to [[the]] a distribution system;

[[ - the]] a device for receiving signals from the fire alarm system, automatically opening the valve supplying the fire extinguishing agent from the distribution to [[the]] an alarm bell and to [[the]] a power switch-off device of the object to be protected, and then to [[the]] a fire extinguishing drencher;

**Application No.: 09/856,294****Docket No.: 4560-001**

[[ - ]] two high pressure tanks placed at positions favorable ~~favourable~~ for receiving [[ the ]] a naturally returning fire extinguishing agent with level indicating float valves at the bottom, wherein [[ : ]] when the fire extinguishing agent is running out, the float is lowered opening the valve connecting to the CO<sub>2</sub> supply to the reversing devices to open the valve supplying CO<sub>2</sub> to create pressure for the tank filled with water and discharging pressure for the running-out tank to receive the returning fire extinguishing agent;

[[ - the ]] a fire alarm self-breaking sprinkler which discharges pressure when the temperature increases to the required level;

[[ - ]] the fire alarm bell or water bell which starts for people to evacuate when the fire extinguishing agent is sprayed;

[[ - ]] the device using pressure to switch off power for the object to be protected so as to ensure safety during the fire extinguishing process;

[[ - the ]] a pipeline and [[ the ]] an automatic valve supplying CO<sub>2</sub> to the high pressure containers of specialized ~~specialised~~ fire extinguishing agents, the devices for alarm, power switch-off and closing ventilators [[ when ]] upon receiving the fire alarm signals to put out the fire for special objects;

[[ - the ]] a safety valve and [[ the ]] a pressure meter for the high pressure tanks, ~~specialised~~ specialized high pressure drenchers for spraying water mist when water is needed to put out fires caused by petrol or oil;

[[ - the ]] self-sucking injectors to supplement foaming agent with a suitable ratio added to water to put out fires caused by petrol or oil, using the flow of water circulating in the pipe as [[ a ]] sucking ~~dynamic~~ dynamics;

[[ - the ]] a device using pressure to reverse the closing gate of the ordinary water waste system and opening gate to allow the fire extinguishing agent to return to the settling, filtering and oil separating system;

[[ - the ]] a system for settling, filtering, oil separating and the system for regulating and distributing the reserved water to fill up the receiving container promptly;

**Application No.: 09/856,294****Docket No.: 4560-001**

[[ - ]] valves, pipe, hose, the fire extinguishing equipment installed in the walls;

[[ - ]] all the high pressure devices [[are]] being interconnected by pressure sustainable pipe and provided with enough pressure by CO<sub>2</sub> dissolved in the fire extinguishing agent; and

[[ - with]] the liquefied CO<sub>2</sub>, water or any fire extinguishing agent which is defined on the basis of the standards and regulations for fire protection and prevention, the physical and chemical properties of CO<sub>2</sub> as well as the technological specifications of the object to be protected. [[;]]

3. *(canceled)*

4. **(currently amended)** ~~Liquefied~~ The system of claim 2, wherein said liquefied CO<sub>2</sub> mentioned in 1 can be replaced by any non-inflammable ~~on-inflammable~~ compressed gas or liquefied gas.